

FIG. 1

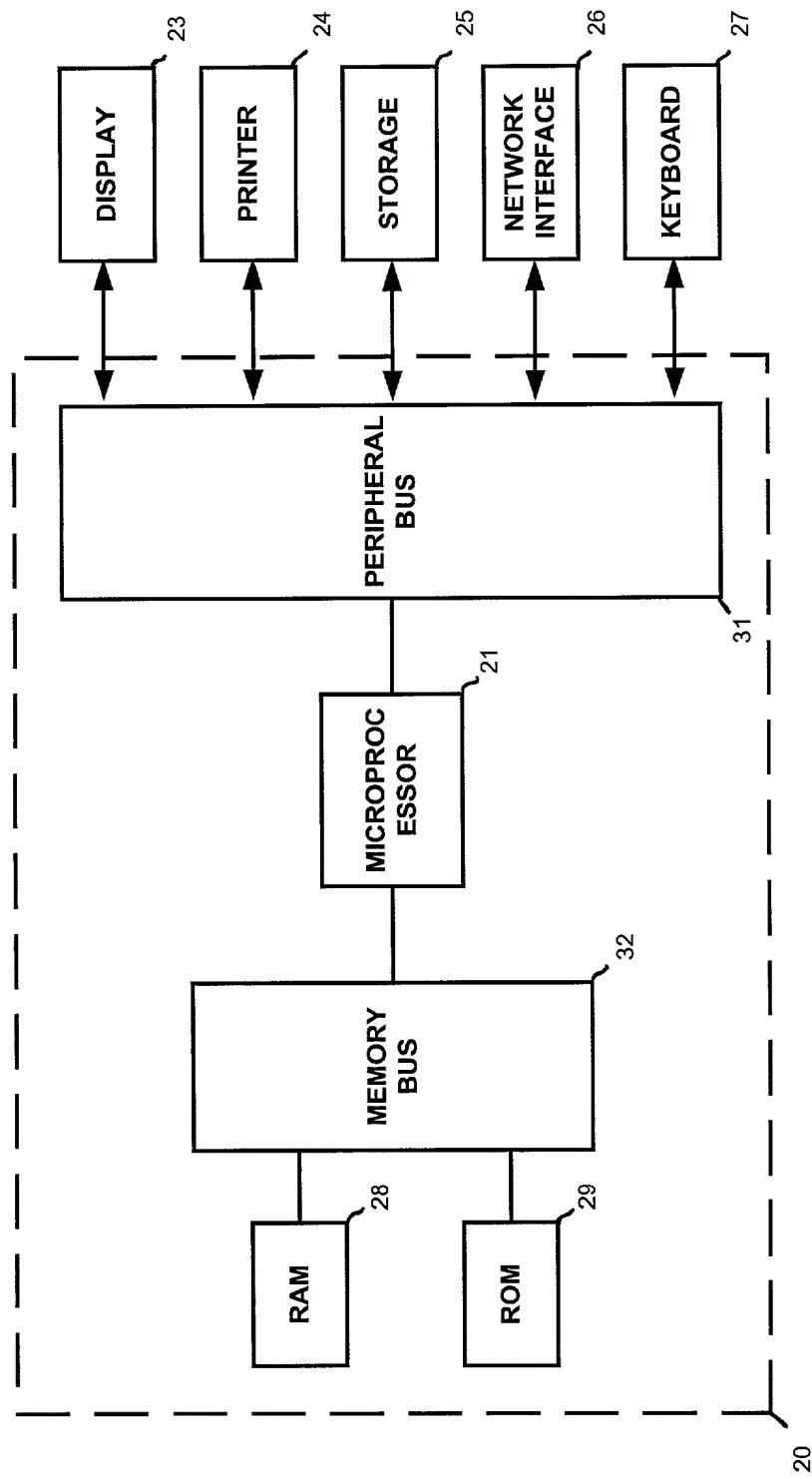


FIG. 2

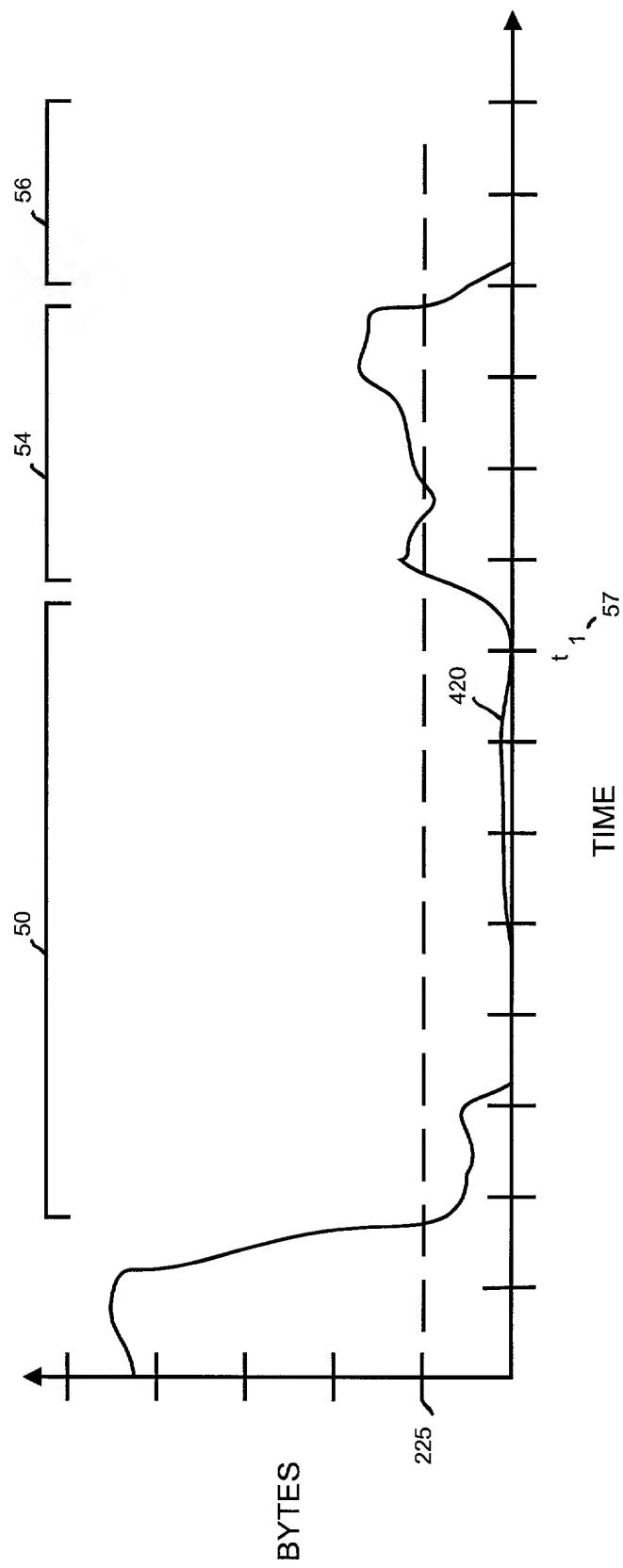


FIG. 3

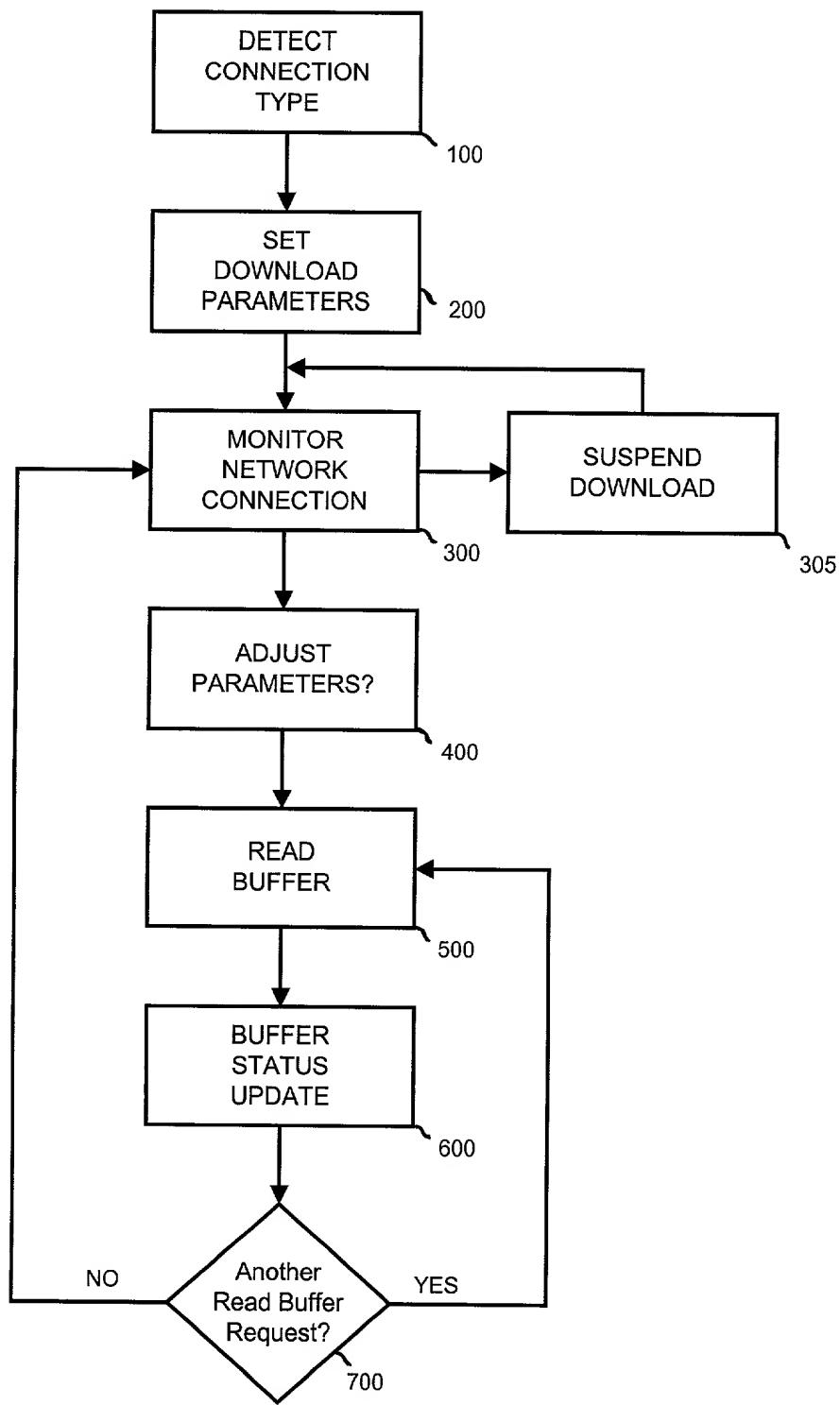


FIG. 4

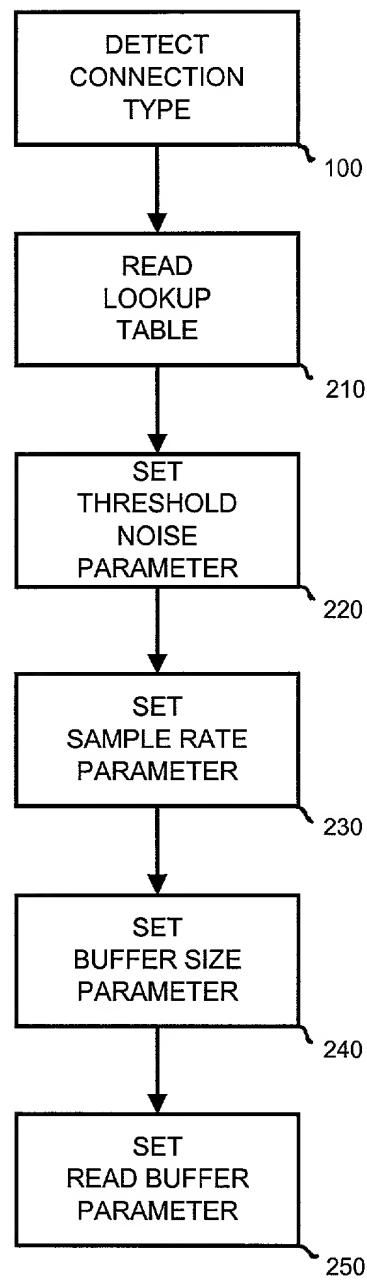


FIG. 5A

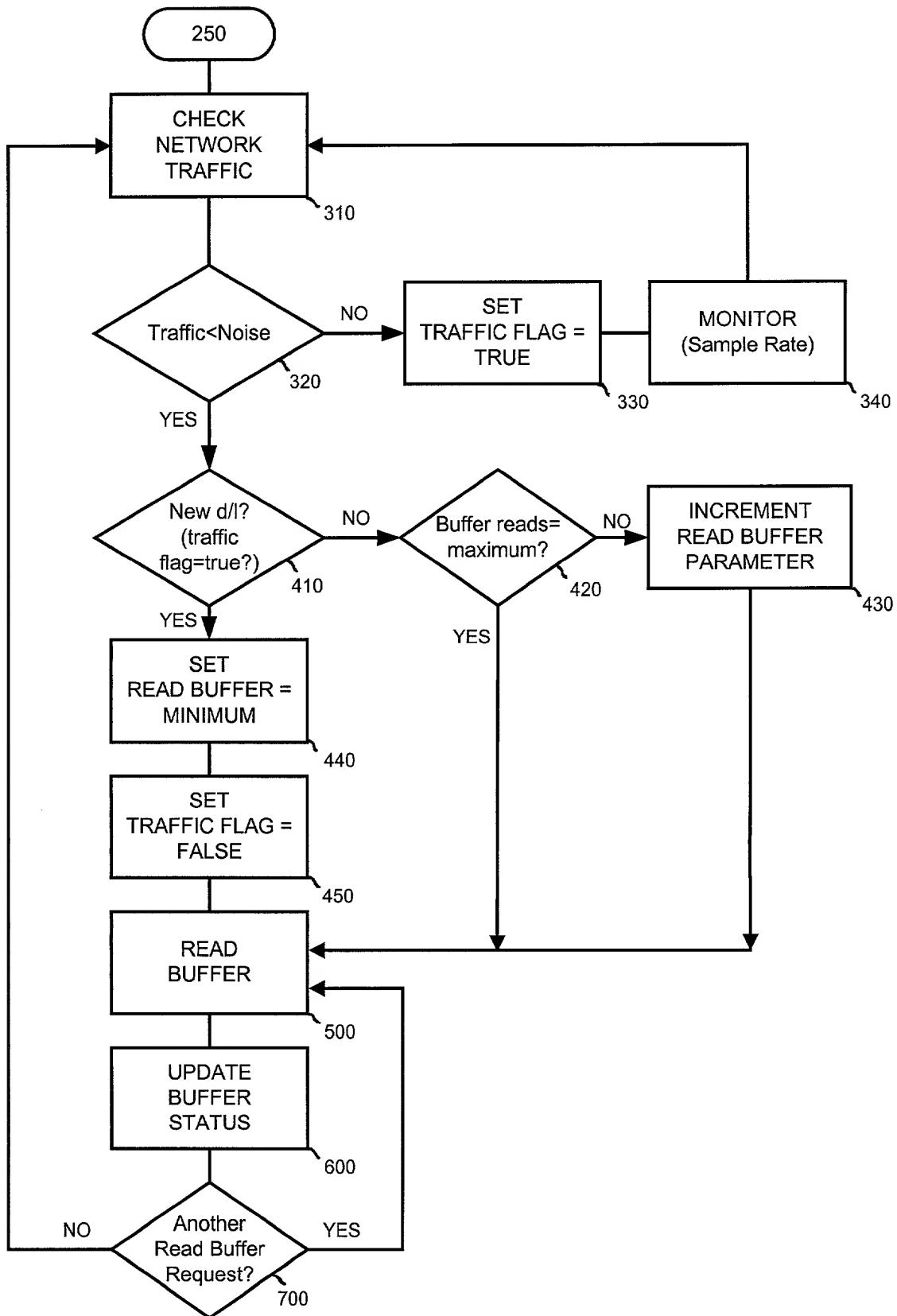


FIG. 5B

**NeoPlanet: Adaptive Download Demo**

Adaptive Controls: Dialup

Yielding download  
 Non-Yielding download

URL:

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Advanced Controls

Read buffer:  bytes

Internet traffic allowed before yielding:  bytes per second

Sampling window:  in tenths of a second

Minimum Internet reads between traffic checks:

Maximum Internet reads between traffic checks:

On finding no traffic, increase checks in increments of:

On traffic, yield for a maximum of :  seconds during download

FIG. 6

| Modem Speed (bytes) | Threshold Level (per second) | Sample Rate (tenths of a second) | Read Buffer Size (bytes) | Minimum Read Buffer | Increment Read Buffer | Maximum Read Buffer |
|---------------------|------------------------------|----------------------------------|--------------------------|---------------------|-----------------------|---------------------|
| 10000000            | 6000                         | 5                                | 2500                     | 10                  | 500                   | 10                  |
| 115200              | 500                          | 5                                | 1000                     | 1                   | 5                     | 1                   |
| 19200               | 100                          | 5                                | 900                      | 1                   | 1                     | 1                   |
| 0 (default)         | 100                          | 5                                | 900                      | 1                   | 1                     | 1                   |

FIG. 7

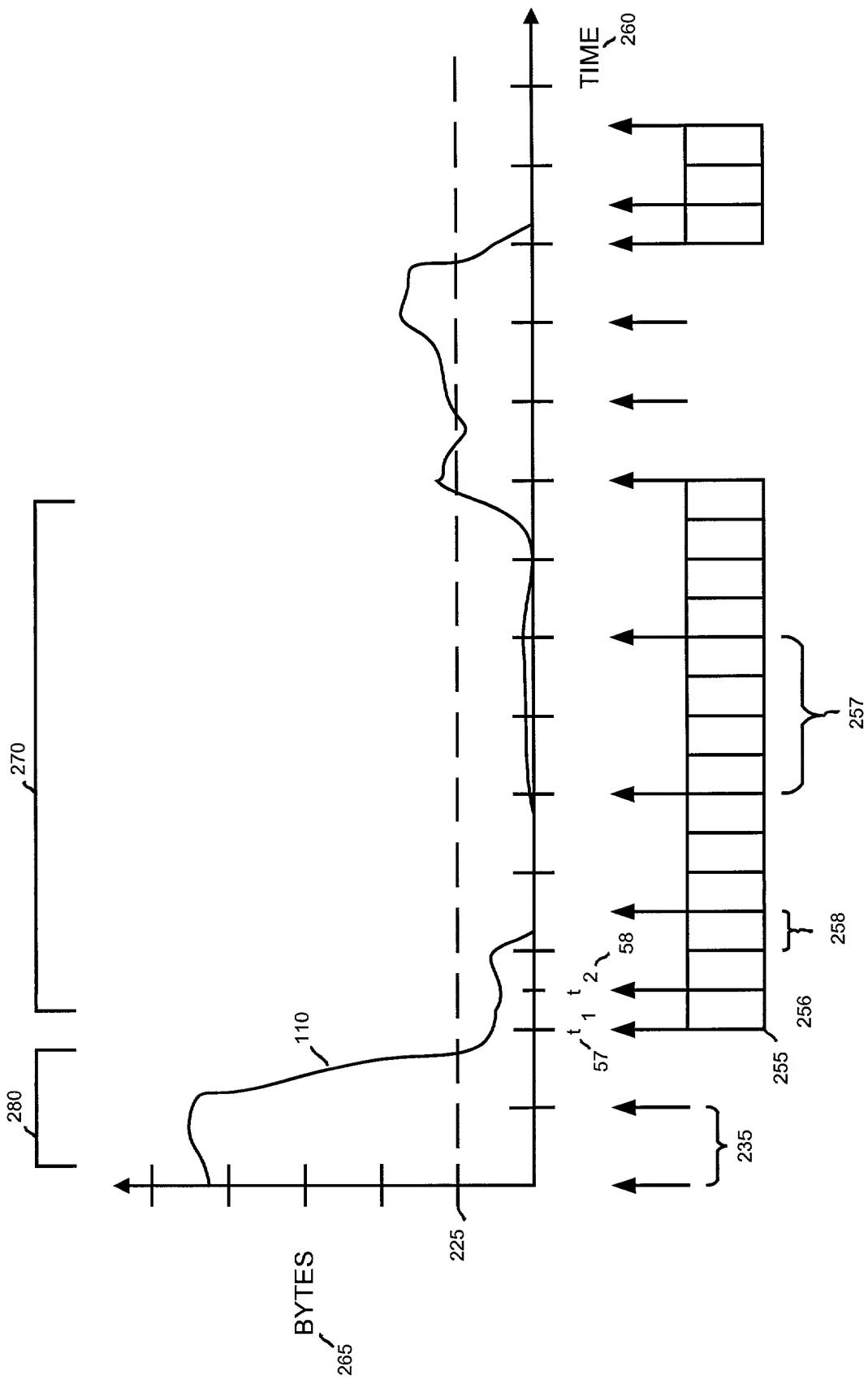


FIG. 8

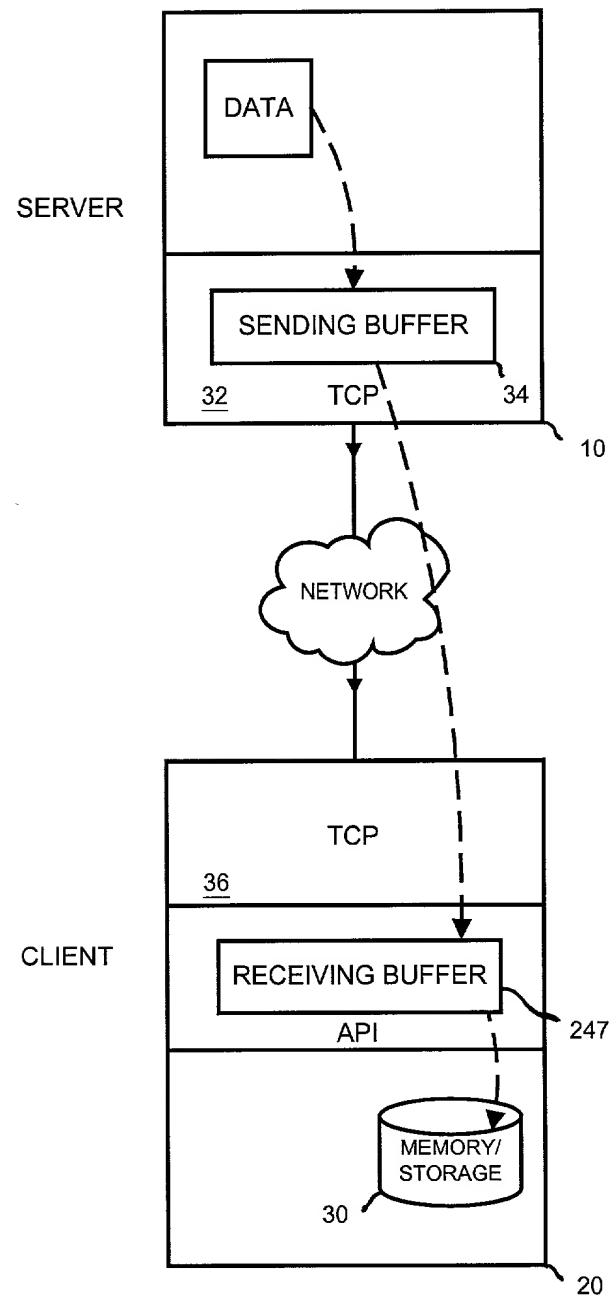


FIG. 9

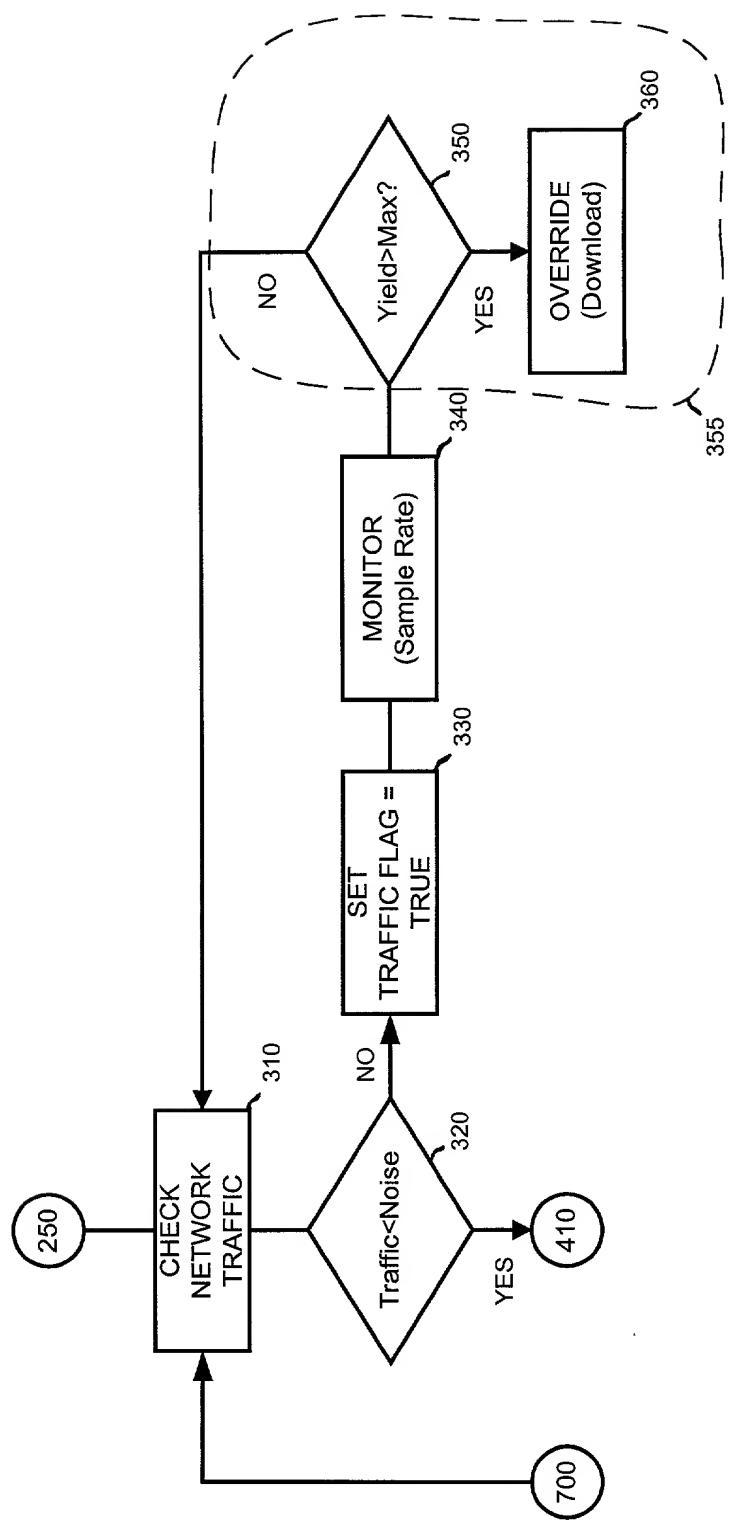


FIG. 10

| Modem Speed (bytes) | Yield Maximum (seconds) | Sample Rate (tenths of a second) | Sample Rate Increment (seconds) | Ceiling on Sample Rate (seconds) |
|---------------------|-------------------------|----------------------------------|---------------------------------|----------------------------------|
| 10000000            |                         | 5                                | 500                             | 10                               |
| 115200              | 10                      | 5                                | 5                               | 1                                |
| 19200               |                         | 5                                | 1                               | 1                                |
| 0 (default)         |                         | 5                                | 1                               | 1                                |

FIG. 11

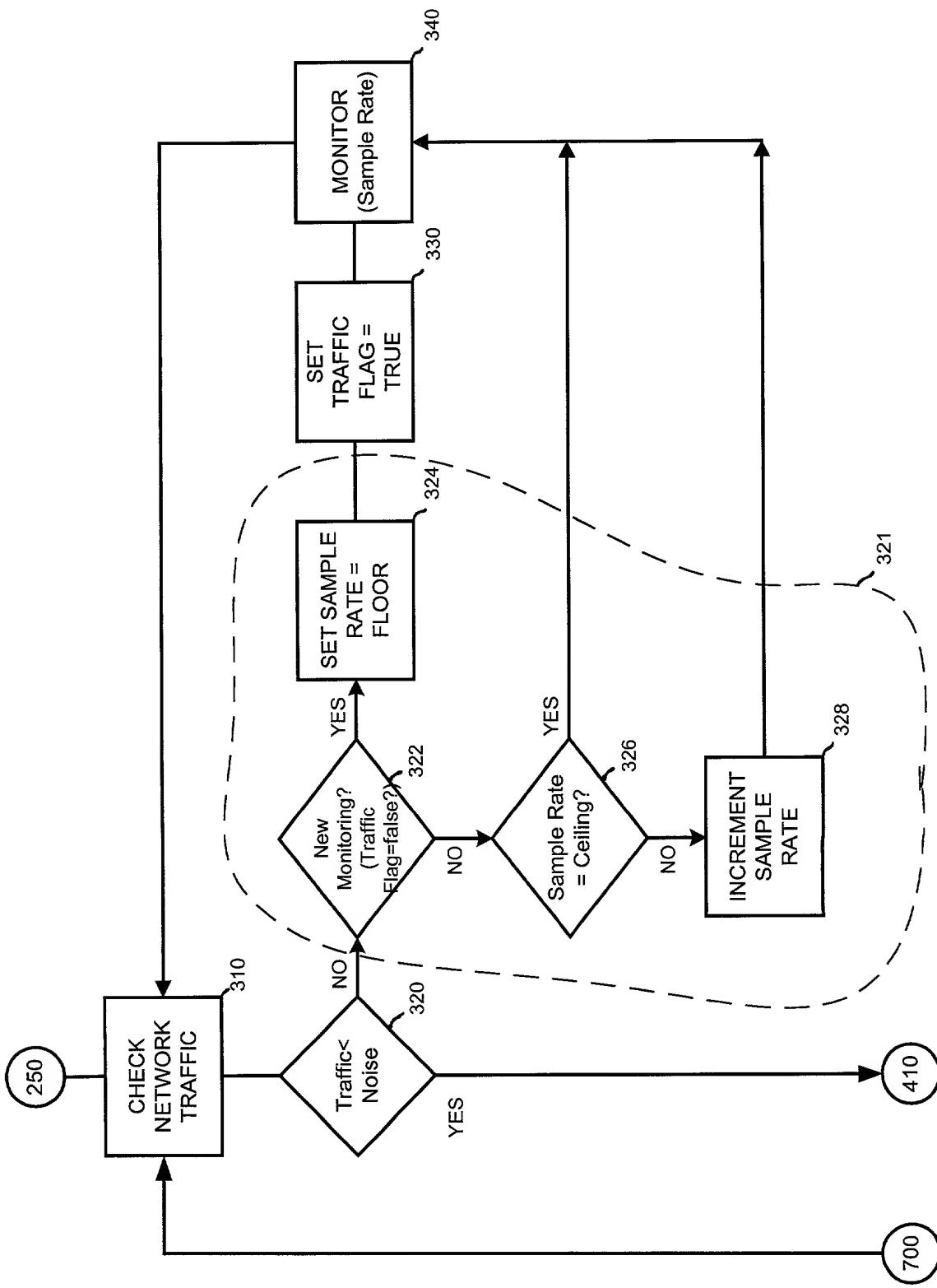


FIG. 12